



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



**MAR 19 2013**

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**  
**District Facility # S-2010**  
**Project # S-1104359**

Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Chevron U.S.A., Inc. is proposing a Title V minor permit modification to incorporate the recently issued S-2010-142-16 and '-297-0 into the Title V operating permit. Chevron has proposed to install a vapor compressor skid and new petroleum storage tank.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued S-2010-142-16 and '-297-0, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura at (661) 392-5500.

Sincerely,

  
David Warner  
Director of Permit Services

Enclosures

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Northern Region  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)  
1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585





# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



MAR 19 2013

Lance Erickson  
Chevron U.S.A., Inc.  
P.O. Box 1392  
Bakersfield, CA 93302

**Re: Notice of Minor Title V Permit Modification  
District Facility # S-2010  
Project # S-1104359**

Dear Mr. Erickson:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued S-2010-142-16 and '-297-0 into the Title V operating permit. Chevron has proposed to install a vapor compressor skid and new petroleum storage tank.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued S-2010-142-16 and '-297-0, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Leonard Scandura at (661) 392-5500.

Sincerely,

  
David Warner  
Director of Permit Services

Enclosures

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Tel: 661-392-5500 FAX: 661-392-5585



## **TITLE V APPLICATION REVIEW**

Minor Modification  
Project #: S-1104359

Engineer: Kris Rickards  
Date: March 11, 2013

Facility Number: S-2010  
Facility Name: Chevron U.S.A., Inc.  
Mailing Address: P.O. Box 1392  
Bakersfield, CA 93302

*Reviewed by AP SWR AOE*  
MAR 18 2013

Contact Name: Lance Erickson  
Phone: 661-654-7141

Responsible Official: Christopher Stevens  
Title: Operations Manager

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### **I. PROPOSAL**

Chevron U.S.A., Inc. is proposing a Title V minor permit modification to incorporate the recently issued S-2010-142-16 and '-297-0 into the Title V operating permit. These ATCs were issued for the installation of a fourth vapor compressor skid (S-2010-142-16) and the connection and installation of a new petroleum storage tank ('-297-0).

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

### **II. FACILITY LOCATION**

The equipment will be located at CUSA's 32 U.S. Oil Cleaning Plant in the Lost Hills Oil Field within CUSA's Light Oil Western Stationary Source; SW ¼ of Section 31, Township 29S, Range 21E.



### III. EQUIPMENT DESCRIPTION

**S-2010-142-17:** 2,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK (#T-3) CONNECTED TO VAPOR CONTROL SYSTEM CONSISTING OF FOUR VAPOR COMPRESSOR SKIDS, TANK BLANKET GAS SCRUBBER, AND VAPOR PIPING (LOCATED AT 32 U.S. OIL CLEANING PLANT)

**S-2010-297-1:** 1,000 BBL FIXED ROOF PETROLEUM STORAGE TANK #T-301 WITH VAPOR CONTROL SYSTEM LISTED ON S-2010-142

### IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

### V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

### VI. DESCRIPTION OF PROPOSED MODIFICATIONS

Chevron USA is proposing to install a fourth vapor compressor skid to the vapor control system listed on S-2010-142 and install a new tank, '-297, to this vapor control system. Modifications for the existing vapor control systems are as follows (S-2010-297 is a new unit):

Permit condition 2 was modified as follows to list the new tank being installed:

2. The following tanks shall be connected to vapor control system: S-2010-142 (T-3), S-2010-143 (T-8), S-2010-144 (T-12), S-2010- 146 (T-2), S-2010-147 (T-6), S-2010-148 (T-7), S-2010-223 (T-12A), and S-2010-224 (T-8A), and S-2010-297 (T-301). [District Rule 2201]

Permit condition 5 was modified as follows to list the new daily emissions limit:

5. Fugitive emissions from tank, compressor skids, and tank vapor control piping shall not exceed 4.52.4 lb VOC/ day. [District Rule 2201]

Permit condition 8 was modified as follows to enforce requirements of most recent amendments of Rule 4623:

8. If the source can demonstrate compliance with the provisions of Rule 4623, Section 5.7 (~~amended 5/19/05~~), then any deviations that are addressed under the provisions of Tables 3 through 5 shall not be in violation of Rule 4623. [District Rule 4623, 5.7]

Permit conditions 10, 11, and 13 were modified as follows to reflect the most recent amendments of Rule 4623:

10. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a gas-tight leak-free condition. [District Rule 4623, 5.6.3]
11. A gas-tight leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8]
13. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2]

Permit condition 19 was modified as follows to enforce requirements of most recent amendments of Rule 4623:

19. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, Section 5.7 (~~amended 12/20/04~~), even if it is under the voluntary inspection and maintenance program. [District Rule 4623, 5.7 (Table 3)]

## VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for



- temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include;
    - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
    - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
  5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
  6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

## **VIII. ATTACHMENTS**

- A. Proposed Modified Title V Operating Permit No. S-2010-142-17 & '-297-1
- B. Authorities to Construct No. S-2010-142-16 & '-297-0
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No.'s S-2010-142-15



# ATTACHMENT A

Proposed Modified Title V Operating Permit No.'s  
(S-2010-142-17 & '-297-1)



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2010-142-17

**EXPIRATION DATE:** 02/29/2016

**SECTION:** NW32 **TOWNSHIP:** 26S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

2,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK (#T-3) CONNECTED TO VAPOR CONTROL SYSTEM CONSISTING OF FOUR VAPOR COMPRESSOR SKIDS, TANK BLANKET GAS SCRUBBER, AND VAPOR PIPING (LOCATED AT 32 U.S. OIL CLEANING PLANT)

## PERMIT UNIT REQUIREMENTS

1. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank. The vapor control system shall be APCO-approved and maintained in leak-free condition. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
2. The following tanks shall be connected to vapor control system: S-2010-142 (T-3), S-2010-143 (T-8), S-2010-144 (T-12), S-2010-146 (T-2), S-2010-147 (T-6), S-2010-148 (T-7), S-2010-223 (T-12A), S-2010-224 (T-8A), and S-2010-297 (T-301). [District Rule 2201] Federally Enforceable Through Title V Permit
3. Vapor control system shall consist of vapor collection piping and four vapor compressor skids. Each vapor compressor skid shall consist of one compressor, liquid knockout vessel(s) and/ or scrubber(s), condensate and/ or lube oil pump(s). Vapors are sent to sales gas pipeline or used as a tank blanket gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall maintain accurate component count for tank, compressor skids, and tank vapor control piping according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Fugitive emissions from tank, compressor skids, and tank vapor control piping shall not exceed 2.4 lb VOC/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The vapor control system shall reduce VOC emissions by at least 95%. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
7. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit
8. If the source can demonstrate compliance with the provisions of Rule 4623, Section 5.7 (amended 5/19/05), then any deviations that are addressed under the provisions of Tables 3 through 5 shall not be in violation of Rule 4623. [District Rule 4623, 5.7] Federally Enforceable Through Title V Permit
9. Except as otherwise provided in this permit, tank roof appurtenances shall be maintained leak-free. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit
10. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
12. Except as otherwise provided in this permit, a reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2] Federally Enforceable Through Title V Permit
14. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
15. If any of the tank components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
16. Upon detection of any leaking components (having a gas leak >10,000 ppmv, measured in accordance with EPA Method 21 by a portable hydrocarbon detection instrument that is calibrated with methane) operator shall: (a) Eliminate or minimize the leak within 8 hours after detection. (b) If the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices; and eliminate the leak within 48 hours after detection. (c) In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
17. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines, shall not constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
18. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
19. Any component found to be leaking on two consecutive annual inspections is in violation of District Rule 4623, Section 5.7, even if it is under the voluntary inspection and maintenance program. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
20. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Except as otherwise provided in this permit, the operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2010-297-1

**EXPIRATION DATE:** 02/29/2016

**SECTION:** NW32 **TOWNSHIP:** 26S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

1,000 BBL FIXED ROOF PETROLEUM STORAGE TANK #T-301 WITH VAPOR CONTROL SYSTEM LISTED ON S-2010-142

## PERMIT UNIT REQUIREMENTS

1. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
2. Permittee shall maintain accurate component count for tank according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Fugitive VOC emissions from tank shall be less than 1.0 lb/ day. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The vapor control system shall reduce VOC emissions by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit
5. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Except as otherwise provided in this permit, tank roof appurtenances shall be maintained leak free. [District Rule 4623] Federally Enforceable Through Title V Permit
7. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit
8. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
9. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2] Federally Enforceable Through Title V Permit
11. Permit holder shall keep in their facility at all times a copy of the letter sent to the APCO requesting participation in the Rule 4623 Fixed Roof Tank Preventive Inspection and Maintenance Program, and Tank Interior Cleaning Program, and maintain the records of annual tank inspections, maintenance, and cleaning to document the participation in the program. [District Rule 4623, 5.7] Federally Enforceable Through Title V Permit
12. Permit holder shall comply with all applicable Inspection and Maintenance requirements specified in Table 3 of Rule 4623. [District Rule 4623, 5.7] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
14. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
15. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Except as otherwise provided in this permit, the operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 4623] Federally Enforceable Through Title V Permit
17. {3246} All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.



# ATTACHMENT B

Authorities to Construct No.'s  
(S-2010-142-16 & '-297-0)



# AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-2010-142-16

**ISSUANCE DATE:** 03/31/2010

**LEGAL OWNER OR OPERATOR:** CHEVRON USA INC  
**MAILING ADDRESS:** PO BOX 1392  
BAKERSFIELD, CA 93302

**LOCATION:** LIGHT OIL WESTERN STATIONARY SOURCE

**SECTION:** NW32 **TOWNSHIP:** 26S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

MODIFICATION OF 2,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK (#T-3) CONNECTED TO VAPOR CONTROL SYSTEM CONSISTING OF THREE VAPOR COMPRESSOR SKIDS, TANK BLANKET GAS SCRUBBER, AND VAPOR PIPING (LOCATED AT 32 U.S. OIL CLEANING PLANT): ADD A FOURTH VAPOR COMPRESSOR SKID AND ADD NEW TANK, S-2010-297-0, TO VAPOR CONTROL SYSTEM

## CONDITIONS

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1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. This Authority to Construct (ATC) shall cancel and replace ATC S-2010-142-12. [District Rule 2201]
3. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 85 lb, 2nd quarter - 85 lb, 3rd quarter - 85 lb, and fourth quarter - 85 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
4. ERC Certificate Number S-2426-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
5. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank. The vapor control system shall be APCO-approved and maintained in leak-free condition. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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DAVID WARNER, Director of Permit Services

S-2010-142-16 : Sep 28 2010 2:52PM -- RICKARDK : Joint Inspection NOT Required

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308 • (661) 392-5500 • Fax (661) 392-5585

6. The following tanks shall be connected to vapor control system: S-2010-142 (T-3), S-2010-143 (T-8), S-2010-144 (T-12), S-2010-146 (T-2), S-2010-147 (T-6), S-2010-148 (T-7), S-2010-223 (T-12A), S-2010-224 (T-8A), and S-2010-297 (T-301). [District Rule 2201]
7. Vapor control system shall consist of vapor collection piping and four vapor compressor skids. Each vapor compressor skid shall consist of one compressor, liquid knockout vessel(s) and/ or scrubber(s), condensate and/ or lube oil pump(s). Vapors are sent to sales gas pipeline or used as a tank blanket gas. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall maintain accurate component count for tank, compressor skids, and tank vapor control piping according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Fugitive emissions from tank, compressor skids, and tank vapor control piping shall not exceed 2.4 lb VOC/ day. [District Rule 2201]
10. The vapor control system shall reduce VOC emissions by at least 95%. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
11. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201] Federally Enforceable Through Title V Permit
12. If the source can demonstrate compliance with the provisions of Rule 4623, Section 5.7 (amended 5/19/05), then any deviations that are addressed under the provisions of Tables 3 through 5 shall not be in violation of Rule 4623. [District Rule 4623, 5.7]
13. Except as otherwise provided in this permit, tank roof appurtenances shall be maintained leak-free. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit
14. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit
15. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
16. Except as otherwise provided in this permit, a reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2] Federally Enforceable Through Title V Permit
18. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
19. If any of the tank components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components (having a gas leak >10,000 ppmv, measured in accordance with EPA Method 21 by a portable hydrocarbon detection instrument that is calibrated with methane) operator shall: (a) Eliminate or minimize the leak within 8 hours after detection. (b) If the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices; and eliminate the leak within 48 hours after detection. (c) In no event shall the total time to minimize and eliminate the leak shall exceed 56 hours after detection. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines, shall not constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
23. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, Section 5.7 (amended 12/20/01), even if it is under the voluntary inspection and maintenance program. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
24. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. Except as otherwise provided in this permit, the operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
26. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit



# AUTHORITY TO CONSTRUCT

**PERMIT NO:** S-2010-297-0

**ISSUANCE DATE:** 03/31/2010

**LEGAL OWNER OR OPERATOR:** CHEVRON USA INC  
**MAILING ADDRESS:** PO BOX 1392  
BAKERSFIELD, CA 93302

**LOCATION:** LIGHT OIL WESTERN STATIONARY SOURCE

**SECTION:** NW32 **TOWNSHIP:** 26S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

1,000 BBL FIXED ROOF PETROLEUM STORAGE TANK #T-301 WITH VAPOR CONTROL SYSTEM LISTED ON S-2010-142

## CONDITIONS

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1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 90 lb, 2nd quarter - 90 lb, 3rd quarter - 90 lb, and fourth quarter - 90 lb. Offsets shall be provided at the applicable offset ratio specified in Table 4-2 of Rule 2201 (as amended 9/21/06). [District Rule 2201]
3. ERC Certificate Number S-2426-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank. [District Rule 4623, 5.6.1]
5. Permittee shall maintain accurate component count for tank according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT.** This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

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DAVID WARNER, Director of Permit Services

S-2010-297-0 : Sep 28 2010 4:05PM -- RICKARDK : Joint Inspection NOT Required

Southern Regional Office • 34946 Flyover Court • Bakersfield, CA 93308 • (661) 392-5500 • Fax (661) 392-5585

6. Fugitive VOC emissions from tank shall be less than 1.0 lb/ day. [District Rule 2201]
7. The vapor control system shall reduce VOC emissions by at least 95%. [District Rule 4623]
8. The tank shall be equipped with a fixed roof with no holes or openings. [District Rule 2201]
9. Except as otherwise provided in this permit, tank roof appurtenances shall be maintained leak free. [District Rule 4623]
10. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623, 5.6.3]
11. A leak-free condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8]
12. A reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District Rule 2201]
13. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2]
14. Permit holder shall keep in their facility at all times a copy of the letter sent to the APCO requesting participation in the Rule 4623 Fixed Roof Tank Preventive Inspection and Maintenance Program, and Tank Interior Cleaning Program, and maintain the records of annual tank inspections, maintenance, and cleaning to document the participation in the program. [District Rule 4623, 5.7]
15. Permit holder shall comply with all applicable Inspection and Maintenance requirements specified in Table 3 of Rule 4623. [District Rule 4623, 5.7]
16. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623, 5.7 (Table 3)]
17. Any component found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623, 5.7 (Table 3)]
18. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 4623]
19. Except as otherwise provided in this permit, the operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 4623]
20. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]



# ATTACHMENT C

## Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
S-2010-142-17	0	0	0	0	0
S-2010-297-1	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# ATTACHMENT D

Application



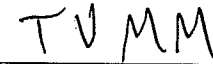
# San Joaquin Valley Air Pollution Control District

www.valleyair.org

RECEIVED  
SEP 14 2010  
SJVAPCD  
Southern Region

## Permit Application For:

[ ] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [ ] SIGNIFICANT MODIFICATION

1. PERMIT TO BE ISSUED TO: <b>Chevron U.S.A. Inc. (CUSA)</b>	
2. MAILING ADDRESS:	
STREET/P.O. BOX: <b>PO Box 1392</b>	
CITY: <b>Bakersfield</b>	STATE: <b>CA</b> 9-DIGIT <b>93302</b> ZIP CODE:
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED:	
STREET: <b>Heavy Oil Western Stationary Source</b> <b>- Lost Hills Field</b> CITY: _____	
<b>NW</b> ¼ SECTION <b>32</b> TOWNSHIP <b>26S</b> RANGE <b>21E</b>	
INSTALLATION DATE: _____	
4. GENERAL NATURE OF BUSINESS: <b>Oil and gas production</b>	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary)	
<b>Implement ATCs S-2010-142-16 and -297-0: New drain tank vented to vapor control system listed on permit - 142</b>	
6. TYPE OR PRINT NAME OF APPLICANT: <b>William Fall</b>	TITLE OF APPLICANT: <b>HES Manager</b>
7. SIGNATURE OF APPLICANT: 	DATE: <b>Sept 2, 2010</b> PHONE: (661) 654-7141 FAX: (661) 654-7606 EMAIL: <a href="mailto:landilr@chevron.com">landilr@chevron.com</a>
<b>For APCD Use Only:</b>	
DATE STAMP	<div style="text-align: center;">   </div> FILING FEE RECEIVED: \$ _____ CHECK#: _____ DATE PAID: _____ PROJECT NO: <b>S-1104359</b> FACILITY ID: <b>S-2010</b>

**San Joaquin Valley  
Unified Air Pollution Control District**

**TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM**

**I. TYPE OF PERMIT ACTION** (Check appropriate box)

- ☐ SIGNIFICANT PERMIT MODIFICATION                      ☐ ADMINISTRATIVE  
☒ MINOR PERMIT MODIFICATION                                      AMENDMENT

COMPANY NAME: <b>Chevron U.S.A. Inc. (CUSA)</b>	FACILITY ID: <b>S-2010</b>
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: <b>Chevron U.S.A. Inc. (CUSA)</b>	
3. Agent to the Owner: <b>N/A</b>	

**II. COMPLIANCE CERTIFICATION** (Read each statement carefully and initial **all** circles for confirmation):

- ☒ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- ☒ Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- ☒ Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- ☒ Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

William Fall  
Signature of Responsible Official

8/30/10  
Date

William Fall  
Name of Responsible Official (please print)

Implement ATCs S-2010-142-16 and -297-0

HES Manager  
Title of Responsible Official (please print)

# ATTACHMENT E

Previous Title V Operating Permit No.  
(S-2010-142-15)





# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-2010-142-15

**EXPIRATION DATE:** 02/29/2016

**SECTION:** NW32 **TOWNSHIP:** 26S **RANGE:** 21E

**EQUIPMENT DESCRIPTION:**

2,000 BBL FIXED ROOF CRUDE OIL STORAGE TANK (#T-3) CONNECTED TO VAPOR CONTROL SYSTEM CONSISTING OF THREE VAPOR COMPRESSOR SKIDS, TANK BLANKET GAS SCRUBBER, AND VAPOR PIPING (LOCATED AT 32 U.S. OIL CLEANING PLANT)

## PERMIT UNIT REQUIREMENTS

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1. The tank shall be equipped with a vapor control system consisting of a closed vent system that collects all VOCs from the storage tank. The vapor recovery system shall be APCO-approved and maintained in gas-tight condition. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
2. The following tanks shall be connected to vapor control system: S-2010-142 (T-3), S-2010-143 (T-8), S-2010-144 (T-12), S-2010-146 (T-2), S-2010-147 (T-6), S-2010-148 (T-7), S-2010-223 (T-12A) and S-2010-224 (T-8A). [District NSR Rule] Federally Enforceable Through Title V Permit
3. Vapor control system shall consist of vapor collection piping and three vapor compressor skids. Each vapor compressor skid shall consist of one compressor, liquid knockout vessel(s) and/ or scrubber(s), condensate and/ or lube oil pump(s). Vapors are sent to sales gas pipeline or used as a tank blanket gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Permittee shall maintain accurate component count for tank, compressor skids, and tank vapor control piping according to CAPCOA's "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities," Table IV-2c (Feb 1999), Screening Value Range emission factors < 10,000 ppmv. Permittee shall update such records when new components are approved and installed. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Fugitive emissions from tank, compressor skids, and tank vapor control piping shall not exceed 1.5 lb VOC/ day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The vapor control system shall reduce VOC emissions by at least 95%. [District Rule 4623, 5.6.1] Federally Enforceable Through Title V Permit
7. The tank shall be equipped with a fixed roof with no holes or openings. [District NSR Rule] Federally Enforceable Through Title V Permit
8. If the source can demonstrate compliance with the provisions of Rule 4623, Section 5.7 (amended 5/19/05), then any deviations that are addressed under the provisions of Table 3 shall not be in violation of this permit. [District Rule 4623, 5.7] Federally Enforceable Through Title V Permit
9. Except as otherwise provided in this permit, tank roof appurtenances shall be maintained leak free. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit
10. Except as otherwise provided in this permit, all piping, valves, and fittings shall be constructed and maintained in a gas tight condition. [District Rule 4623, 5.6.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.



11. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
12. Except as otherwise provided in this permit, a reading in excess of 10,000 ppmv above background is a violation of this permit and shall be reported as a deviation. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Except as otherwise provided in this permit, any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a gas-tight cover which shall be closed at all times except during gauging or sampling. [District Rule 4623, 5.6.2] Federally Enforceable Through Title V Permit
14. All piping, fittings, and valves on this tank shall be inspected annually by the facility operator in accordance with EPA Method 21, with the instrument calibrated with methane, to ensure compliance with the leaking provisions of this permit. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
15. If any of the tank components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
16. Upon detection of any leaking components (having a gas leak >10,000 ppmv, measured in accordance with EPA Method 21 by a portable hydrocarbon detection instrument that is calibrated with methane) operator shall: (a) Eliminate or minimize the leak within 8 hours after detection. (b) If the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices; and eliminate the leak within 48 hours after detection. (c) In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
17. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines, shall not constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623, Section 5.7 (amended 12/20/01). [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
18. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623, 5.7 (Table 3)] Federally Enforceable Through Title V Permit
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20. Operator shall maintain an inspection log containing the following 1) Type of component leaking; 2) Date and time of leak detection, and method of detection; 3) Date and time of leak repair, and emission level of recheck after leak is repaired; 4) Method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
21. Except as otherwise provided in this permit, the operator shall ensure that the vapor recovery system is functional and is operating as designed at all times. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. Operator shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

